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this paper, we use a Voronoi box based **vertex centered finite volume** method, also called covolume or
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have been reported for quadrilateral **vertex-centered finite volume** difference schemes [25, 22, 33, 31]
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splitting technique is used. A **vertex-centered finite volume** method is employed on a triangular
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is hybrid in the sense that we use a **vertex centered finite volume** formulation for the analysis of the
is hybrid in the sense that we use a **vertex centered finite volume** formulation for the discretisation of
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references therein for studies on the **"vertex-centered" finite volume** method, and to [3]4]14] and
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elliptic type, and discuss a standard **vertex-centered finite volume** technique for discretizing this law
V i j .In #I we apply, as in #a **vertex-centered finite volume** method, i.e.we first introduce a
4.2. Remark 6 In Section 3.2, a **vertex-centered finite volume** method has been used for both the
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3, 91058 Erlangen, Germany abstract A **vertex centered finite volume** method for the coupled nonlinear
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im 1 G im 2 x m i V x i Figure 2: **Vertex centered finite volume**. Integrating [1] and [2] over a

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